

CLAIMS

1. A coloring composition comprising:

- (i) a soluble coloring agent precursor obtained by substituting a hydrogen atom of a NH group of a pigment molecule having at least one NH group with an alkoxy carbonyl group of the following general formula (1):



wherein R represents a tert-butyl group, a tert-amyl group, a 2-phenyl-2-propyl group or a diphenylmethyl group,

(ii) an acid proliferation agent newly generating an acid by the action of an acid, and

(iii) an acid former generating an acid by the action of activation energy rays or heat.

2. A transparent, colored resin composition comprising a coloring composition according to claim 1, and a binder resin.

3. A transparent, colored resin composition according to claim 2, wherein said binder resin comprises an activation energy rays-sensitive polymer which undergoes a structural change by the action of an acid to cause a change in solubility.

4. A composition for forming a transparent, colored resin, comprising a coloring composition according to claim 1 dissolved in a cationically polymerizable compound.

5. A composition for forming a transparent, colored resin, comprising a coloring composition according to claim 1 dissolved in a cationically polymerizable compound and/or radically polymerizable compound.

6. A transparent colored image formed by irradiating a composition according to any one of claims 2 through 5 with activation energy rays.